

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
10 June 2004 (10.06.2004)

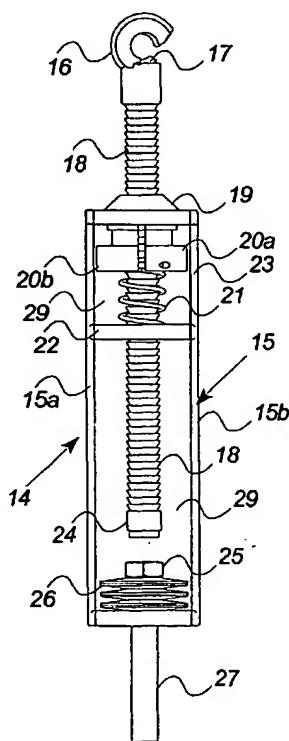
PCT

(10) International Publication Number
WO 2004/048190 A1

- (51) International Patent Classification⁷: B63B 25/00, (74) Agent: VAN WALSTIJN, B., Gerard, G.; Walstijn Intellectual Property ApS, Parkovsvej 3, DK-2820 Gentofte (DK).
- (21) International Application Number: PCT/EP2003/013297 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 26 November 2003 (26.11.2003) (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: PA 200201841 28 November 2002 (28.11.2002) DK
- (71) Applicant and (72) Inventor: BRUUN, Kent, Roland, Hovmand [DK/DK]; Strandgade 17, DK-5610 Assens (DK).

[Continued on next page]

(54) Title: FASTENING DEVICE FOR SECURING A CONTAINER TO A SHIP



(57) Abstract: The invention relates to a fastening device (14) for establishing a self-adjusting fastening connection between at least two elements. The fastening device comprises a frame (15) having at least one opening and a connection (27) to one of said at least two elements. Further, it comprises a rod (18) with corrugations, said rod being movable through said at least one opening and it includes a connection to one of said at least two elements and a holding device (20) comprising at least two locking elements (20a, 20b), each locking element including at least one surface comprising dents/grooves partly or totally corresponding to said corrugations. Even further, at least said frame (15) or said holding device (20) comprises an at least partly tapered shape, and elastic means such as spring means (21) forcing said holding device (20) against said frame (15) and thereby said locking elements (20a, 20b) against each other. The invention also relates to a method of establishing a fastening connection between at least two elements with a fastening device, and use hereof.

WO 2004/048190 A1